Proposal Full View

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Applicant Information

Organization Name	Tranquillity Irrigation District *
Tax ID	**946001440**
Proposal Name	Tranquillity Irrigation District Groundwater Monitoring Wells Project *
Proposal Objective	The objective of the proposal is to construct five monitoring wells including one nested (two wells perforated in different zones but installed in one borehole) monitoring well, and three single monitoring wells to develop a dedicated groundwater monitoring program. Groundwater level data will be collected using newly installed data loggers in the proposed wells, and data loggers installed in four existing wells. This goal will be achieved through a number of specific work tasks described in this work plan, including public outreach, monitoring well design, monitoring well construction, post construction activities and reporting. *

Budget

Other Contribution	$0.00
Local Contribution	$5,209.00
Federal Contribution	$0.00
Inkind Contribution	$0.00
Amount Requested	$250,000.00 *
Total Project Cost	$255,209.00 *

Geographic Information

Latitude *	DD(+/-)	36	MM	39	SS	3
Longitude *	DD(+/-)	-120	MM	14	SS	57

Longitude/Latitude Clarification	Lat/Long for the District Office	Location	Wells are located throughout the District as shown on Exhibit 4.1 of the application
County		Fresno *	
Ground Water Basin		San Joaquin Valley-Delta-Mendota	
Hydrologic Region		San Joaquin	
Watershed	109-7551 South Valley Floor		

Legislative Information

Assembly District	31st Assembly District *
Senate District	16th Senate District *
US Congressional District	District 19 (CA),District 20 (CA) *

Project Information

Project Name: Groundwater Monitoring Wells Proje

Implementing Organization	Tranquillity Irrigation District
Secondary Implementing Organization	

Proposed Start Date	4/1/2013
Proposed End Date	10/1/2014
Project Scope	The proposed project includes the installation of five dedicated monitoring wells. These will include one nested well (with two wells perforated at different depths installed in one borehole), and three single monitoring wells to improve groundwater monitoring capabilities. Each new well casing and four existing wells will fitted with a data logger. Water quality will also be sampled in each new casing. The hydrogeology and stratigraphy will be characterized using geologic data collected.
Project Description	The project will include construction of five monitoring wells, including one nested pair. Each well will have a casing extending to a depth of 600 feet below the ground surface, with the nested borehole containing a 600-foot and 400-foot well. The wells are located in areas throughout the District where the monitoring network is non-existent or has gaps, and are lacking either dedicated monitoring wells or nested monitoring wells. The wells will be designed in two phases including a conceptual design and final design. The contractor will be required to obtain a well drilling for all the wells, and for those wells located in Fresno County Road right-of-way, an encroachment permit will be required. A CEQA negative exemption will be filed. The well contract will be publicly bid. The wells will be drilled using the mud rotary method by an experienced contractor. Single wells are anticipated to be drilled with a 8 ¾-inch borehole with 2 ½-inch Schedule 80 PVC casing. The nested well site is anticipated to be drilled with a 10 5/8-inch borehole and contain two 2 ½-inch Schedule 80 PVC well casings. A geologist will log the soils and a geophysical contractor will perform electric logs in each of the four boreholes. The location and elevation of each well will be surveyed. Each well casing will be fitted with a data logger to provide continuous monitoring capabilities. The water quality in each casing will also be tested for an agricultural suitability analysis and the nested well will also include testing for arsenic levels. A detailed hydrogeologic/stratigraphic analysis will characterize the local geology and provide insight into current hydrogeologic conditions. Public outreach will include presentations at public Board of Directors meetings, posting of information on the District's website, posting in the District office, and dissemination of project information at the TID annual grower's meetings.
Project Objective	The scope of the proposal is to construct five monitoring wells, one nested (two wells perforated in different zones but installed in one borehole) monitoring well, and three single monitoring wells to develop a dedicated groundwater monitoring program. Groundwater level data will be collected using newly installed data loggers in the proposed wells, and data loggers installed in four existing wells.

Project Benefits Information

Project Objective

Budget

Other Contribution	0
Local Contribution	5209
Federal Contribution	0
Inkind Contribution	0

Amount Requested	250000
Total Project Cost	255209

Geographic Information

Latitude DD(+/-)	36	MM	39	SS	3
Longitude DD(+/-)	-120	MM	14	SS	57

Longitude/Latitude Clarification: Lat/Long for the Location: Wells are located throughout the District a

County Fresno Ground Water Basin San Joaquin Valley-Delta-Mendota Hydrologic Region San Joaquin WaterShed

109-7551 South Valley Floor

Legislative Information

Assembly District	31st Assembly District
Senate District	16th Senate District
US Congressional District	District 19 (CA),District 20 (CA)

Project Information

Project Name: Tranquillity Irrigation District Groundv

Implementing Organization	Tranquillity Irrigation District
Secondary Implementing Organization	
Proposed Start Date	4/1/2013
Proposed End Date	10/1/2014
Project Scope	The proposed project includes the installation of five dedicated monitoring wells. These will include one nested well (with two wells perforated at different depths installed in one borehole), and three single monitoring wells to improve groundwater monitoring capabilities. Each new well casing and four existing wells will fitted with a data logger. Water quality will also be sampled in each new casing. The hydrogeology and stratigraphy will be characterized using geologic data collected.
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Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Groundwater Management-Monitoring wells installed	0	

Project Objective

Budget

Other Contribution	0
Local Contribution	5209
Federal Contribution	0
Inkind Contribution	0
Amount Requested	250000
Total Project Cost	255209

Geographic Information

Latitude DD(+/-)	36	MM	39	SS	3
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Longitude/Latitude Clarification: Lat/Long for the Location: Wells are located throughout the District a

County Fresno Ground Water Basin San Joaquin Valley-Delta-Mendota Hydrologic Region San Joaquin WaterShed

109-7551 South Valley Floor

Legislative Information

Assembly District	31st Assembly District
Senate District	16th Senate District
US Congressional District	District 19 (CA),District 20 (CA)

Section : Applicant Information and Question's Tab

APPLICANT INFORMATION AND QUESTION'S TAB

Q1. Applicant Information

Provide the agency name, address, city, state, and zip code of the applicant submitting the application.

Tranquillity Irrigaiton District, P.O. Box 487, Tranquillity, CA 93668

Q2. Proposal Description:

Provide a brief abstract of the Proposal. This abstract must provide an overview of the proposal including the main issues and priorities addressed in the proposal. Within the abstract, please describe how the proposal relates to the GWMP's BMO's.

The project will include construction of five monitoring wells, including one nested pair. Each well will have a casing extending to a depth of 600 feet below the ground surface, with the nested borehole containing a 600-foot and 400-foot well. The wells are located in areas throughout the District where the monitoring network is non-existent or has gaps, and are lacking either dedicated monitoring wells or nested monitoring wells. The wells will be designed in two phases including a conceptual design and final design. The contractor will be required to obtain a well drilling for all the wells, and for those wells located in Fresno County Road right-of-way, an encroachment permit will be required. A CEQA negative exemption will be filed. The well contract will be publicly bid. The wells will be drilled using the mud rotary method by an experienced contractor. Single wells are anticipated to be drilled with a 8-inch borehole with 2-inch Schedule 80 PVC casing. The nested well site is anticipated to be drilled with a 10 5/8-inch borehole and contain two 2-inch Schedule 80 PVC well casings. A geologist will log the soils and a geophysical contractor will perform electric logs in each of the four boreholes. The location and elevation of each well will be surveyed. Each well casing will be fitted with a data logger to provide continuous monitoring capabilities. The water quality in each casing will also be tested for an agricultural suitability analysis and the nested well will also include testing for arsenic levels. A detailed hydrogeologic/stratigraphic analysis will characterize the local geology and provide insight into current hydrogeologic conditions. Public outreach will include presentations at public Board of Directors meetings, posting of information on the District?s website, posting in the District office, and dissemination of project information at the TID annual grower?s meetings.

Q3. Project Director:

Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

Danny M. Wade, General Manager, Tranquillity Irrigation District, Phone: 559-698-7225, Fax: 559-647-9195, email: danny@trqid.com

Q4. Project Manager:

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Brian Ehlers, District Engineer, Provost & Pritchard Engineering Group, 2505 Alluvial Avenue, Clovis, CA 93611, Phone: 559-326-1100, Fax: 559-326-1090, email: behlers@ppeng.com

Q5. Additional Information:

Based on the region's location, what is the applicable DWR region office (Northern, North Central, South Central, or Southern)? The following link can be used to view each DWR region office boundaries:

http://www.water.ca.gov/groundwater/groundwater_basics/gw_contacts_info.cfm

1) ☐ Northern Region
2) ☐ North Central Region
3) ☑ South Central Region
4) ☐ Southern Region

Q6. Additional Information:

Provide the Date of GWMP Adoption, if any, and list the pursuant Water Code Section or other legal Authority in which it was adopted.

July 21, 2009 pursuent to California Water Code Division 6, Part 2.75

Q7. Additional Information:

Provide a list of documents that support and indicate collaboration with other local public agencies with regard to the management of the affected groundwater basin (e.g., MOUs, MOAs, JPAs, adoption of a GWMP, recognition of county ordinances in permitting processes, or party to a groundwater basin adjudication order).

Provost & Pritchard Consulting Group, Tranquillity Irrigation District and Fresno Slough Irrigation District Joint Groundwater Management Plan, 2009. San Luis & Delta-Mendota Water Authority, 2005 Westside Integrated Water Resources Plan, 2006. WRIME, Inc., Upper Kings Basin Integrated Regional Water Management Plan, 2007.

Q8. Additional Information

Name the entity(ies) providing the fund(s) reported in the above Budget section under the category "Other Contribution". If there are no "Other Contributions" Please answer this question with, "No Other Contributions".

No Other Contributions

Q9. Eligibility:

List the urban water suppliers that will receive funding from the proposed grant. Please provide the agency name, a contact phone number and email address. Those listed must submit self certification of compliance with CWC §525 et seq. and AB1420, see Attachment 10. If there are none, so indicate.

None

Q10. Eligibility:

Have all of the urban water suppliers, listed in Q9 above, submitted complete 2010 UWMP to DWR? If not, explain why. Have those plans been verified as complete by DWR? If not, explain current status.

NA

Q11. Completeness Check:

Have all of the fields in the application been completed?

No

Q.11. Completeness Check (cont)

If no, please explain. If yes, answer this question with "NA".

NA

Section : Application Attachments Tab

APPLICATION ATTACHMENTS TAB

Attachment 1. Authorizing Documentation

Upload authorizing documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att1_TID_ AuthDoc.1of1.pdf

Attachment 2. Eligible Applicant Documentation

Upload eligible documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att2_TID_EligDoc.1of1.pdf

Attachment 3. Status of GWMP

Upload the GWMP documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att3_TID_GWMP.1of1.pdf

Attachment 4. Project Description

Upload project description here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".
Last Uploaded Attachments: Att4_TID_ ProjD.1of1.pdf

Attachment 5. Work Plan

Upload work plan here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".
Last Uploaded Attachments: Att5_TID_WrkPln.1of1.pdf

Attachment 6. Budget

Upload budget here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".
Last Uploaded Attachments: Att6_TID_BUDGET.1of1.pdf

Attachment 7. Schedule

Upload schedule here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".
Last Uploaded Attachments: Att7_TID_SCHED.1of1.pdf

Attachment 8. Quality Assurance

Upload quality assurance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".
Last Uploaded Attachments: Att8_TID_QA.1of1.pdf

Attachemnt 9. Past Performance

Upload past performance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".
Last Uploaded Attachments: Att9_TID_PERFORM.1of1.pdf

Attachment 10. AB1420 and Water Meter Implementation Compliance

Upload 1420 and water meter implementation documentation here, if applicable. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".
Last Uploaded Attachments: Att10_TID_1420.1of1.pdf